



Porous Material Inc. (USA)

Gas Pycnometer



Description :

PMI's Gas Pycnometer provides the user with a reliable measure of absolute density. The Gas Pycnometer performs a fully-automated, non-destructive test that allows the user control of the number of test iterations, and thus test length and accuracy.

Applications / Features :

PMI's Gas Pycnometer is ideal for both quality control and R&D. Applications for the Gas Pycnometer span many industries ranging from automotive to non-wovens to pharmaceuticals. Specific uses include the measurement of absolute density of casting materials and ceramic components in the automotive industry, density of electrode components in the battery industry, and void volume analysis in the pharmaceutical industry.

- ✚ User-defined number of iterations per sample for increased accuracy
- ✚ Windows-based software handles all control, measurement, data collection, and report generation; manual control also possible
- ✚ Compatible with Windows 95 or higher
- ✚ Real-time graphical test display depicts testing status and results throughout operation
- ✚ Non-destructive testing
- ✚ Length of test approximately 30 minutes (based on 10 iterations)
- ✚ Wide range of acceptable sample types and sizes
- ✚ Multiple sample chambers available
- ✚ Minimal maintenance required

Specifications :

Pore Size Range	2 Å - infinity
Sample Size	2.5 cm H x 3.5 cm W
Pressure Range	Vacuum - 2,000 Torr (40 PSI)
Pressurizing Gas	Clean, dry, compressed air or nonflammable, non-corrosive gas
Pressure Transducer Range	0 - 12,000 Torr
Power Requirements	110/220 VAC, 50/60 Hz
Dimensions	21" H x 11" W x 15" D
Weight	35 lbs

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